



AV Receiver
RX-A2000

NEW PRODUCT BULLETIN

AVVENTAGE

AVVENTAGE is a dramatic, inspired step forward in audio/video component design. AVVENTAGE brings studio-grade sound and sophisticated video enhancements to the home as a result of unparalleled attention to detail in design, engineering and fabrication. Details that, at first glance, would not seem to affect the quality of sight, sound, and control, when brought together within an AVVENTAGE component produce a work of visual and acoustic art.

The RX-A2000 A/V Receiver offers 3D and Audio Return Channel over 8 in/2 out HDMI, CINEMA DSP 3D, HQV video quality, new GUI, new YPAO with Reflected Sound Control, new SCENE functionality, network functions, control via web browser, Zone 3 output and Control4® certification.



Oil-Damped Hidden Control Panel
includes USB port, Aux input terminals, Zone 2/Zone 3/Zone 4 switches, YPAO optimized microphone jack, and more.



High Sound Quality

- 7-channel 910W powerful surround sound (130W x 7 RMS)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- High quality parts allowed sound tuning for optimum performance
- H-shape cross member frame
- Symmetrical power amplifier layout
- New heat sink with anti-vibration and anti-thermal properties
- High speed thermal feedback power amplifier
- DAC on Pure Ground circuitry with high quality Burr-Brown DACs
- Ultra Low Jitter PLL circuitry
- Specially designed 5th foot with Anti-Resonance Technology (A.R.T. Wedge) added to reduce vibration
- Intelligent Assignable amplifiers for bi-amp or Surround Back <-> Front Presence or Zone 2/Zone 3 connection

High Picture Quality

- Analog and HDMI video upscaling to full HD 1080p
- 1080p-compatible HDMI: 8 inputs (1 on front) and 2 outputs (simultaneous)
- Supports Deep Color (30/36 bit), x.v.Color, 24Hz Refresh Rate and Auto Lip-Sync compensation
- HQV high-class chipset "VHD1900" for HD/SD Video
- Video adjustment functionality
 - New auto noise reduction (mosquito noise, block noise, temporal noise)
 - New auto resolution enhancement (detail/edge enhancement)
 - Contrast, Brightness, Saturation
 - 6 preset memories

Advanced Features

- New SCENE PLUS – simple and versatile functionality
 - 12 SCENE choices (4 on front panel and others on GUI)
 - Zone SCENE – 4 SCENE buttons for Zone 2/Zone 3
 - Versatile parameters can be stored into each SCENE
- HDMI (V.1.4a with 3D and Audio Return Channel)
- HDMI CEC functionality
- Network functions
 - Access to Internet Radio (MP3/WMA), Streaming Services (Rhapsody®, SIRIUS), music files on PC (WAV, MP3, WMA, AAC, FLAC) and Yamaha MusicCAST via LAN 96/24)
 - Web Browser Control via PC or PDA
 - Receiver Manager through network connection
 - DLNA V.1.5 certified

- Compatible with Windows 7
- YPAO-Reflected Sound Control sound optimization with multi-point measurement
 - DSP Effect Normalization
 - Room Acoustic Echo
 - Controlling reflection and echo
- HD Radio™ with iTunes tagging
- SIRIUS Satellite Radio ready
- New on-screen display GUI with album art
- Assignable component video and optical/coaxial (except Video Aux) inputs allow for a wide range of sources
- Video Adjustment Preset
- Ability to change HDMI input while in Standby Through mode
- USB port for portable audio players and flash drives (MTP/MSC)
- iPod/iPhone compatibility with optional YDS-12 Universal Dock
- iPod song titles displayed in English and Western European languages on the front panel and on-screen display
- Wireless connection for iPod/iPhone with optional YID-W10
- Bluetooth® (A2DP) compatibility with optional Yamaha Bluetooth® Wireless Audio Receiver YBA-10
- Dialogue Lift
- Auto power down function with variable time setting

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Channel expandability with external amplifier (9-channel expandability (bi-amping))
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level

Versatile Zone Control

- Zone 2/Zone 3 on/off and control on front panel
- Zone GUI (song/station selection, album cover art display, zone tone controls/Zone balance, short message)
- Zone video assign (Zone 2/Zone 3)
- System Backup / Recovery function
- Multi-channel output in main zone plus 2-channel HDMI output in a second zone
- Zone MONO, Zone volume and tone controls
- Party mode

Powered by music

Main Specifications

AUDIO SECTION		
Minimum RMS Output Power (8 ohms, 20 Hz-20 kHz) (0.06% THD)	Front Channels Center Channel Surround Channels Surround Back Channels	130 W + 130 W 130 W 130 W + 130 W 130 W + 130 W
Dynamic Power/Channel (Front L/R, 8/6/4/2 ohms)		165/210/285/405 W
Input Sensitivity/Impedance (1 kHz, 100 W/8 ohms)	Phono MM Audio 2 etc F/C/S/SB Subwoofer	3.5 mV/47 k-ohms 200 mV/47 k-ohms 200 mV/47 k-ohms 200 mV/47 k-ohms
Output Level/Impedance	AV Out Headphone Out Pre Out (F/C/S/SB) Subwoofer Zone 2/Zone 3 Out	200 mV/1.2 k-ohms 150 mV/100 ohms 1 V/1.2 k-ohms 1 V/1.2 k-ohms 1 V/1.2 k-ohms

Total Harmonic Distortion (AV1, 20 Hz-20 kHz, Sp Out, Front L/R)	0.04% (65 W/8 ohms)
Frequency Response (Audio 2, Pure Direct, Front L/R)	10 Hz-100 kHz +0, -3 dB
Signal-to-Noise Ratio (Audio 2 etc, Input Shorted, Sp Out)	100 dB (250 mV)
VIDEO SECTION	
Video Monitor Out Frequency Response Component Video Signal	5 Hz-100 MHz \pm 3 dB
TUNER SECTION	
FM 50dB Quieting Sensitivity	Mono 3 μ V (20.8 dBf)
FM Signal-to-Noise Ratio	Mono 74 dB Stereo 70 dB
GENERAL SECTION	
Standby Power Consumption (HDMI Off/Standby Through Off)	0.3 W
Standby Power Consumption (HDMI On/Standby Through On)	2.7 W
Standby Power Consumption (NET Standby On)	4.5 W
Dimensions (W x H x D)	17 $\frac{1}{8}$ " x 7 $\frac{1}{8}$ " x 16 $\frac{7}{8}$ "
Weight	32.4 lbs.

YDS-12 Universal Dock for iPod/iPhone

The optional YDS-12 Universal Dock lets you connect your iPod or iPhone to the receiver.
iPhone not included

Made for
iPod iPhone



YID-W10 Wireless Dock System for iPod/iPhone

The optional YID-W10 ensures that you enjoy maximum sound quality and no lip sync (AV matching) problems.

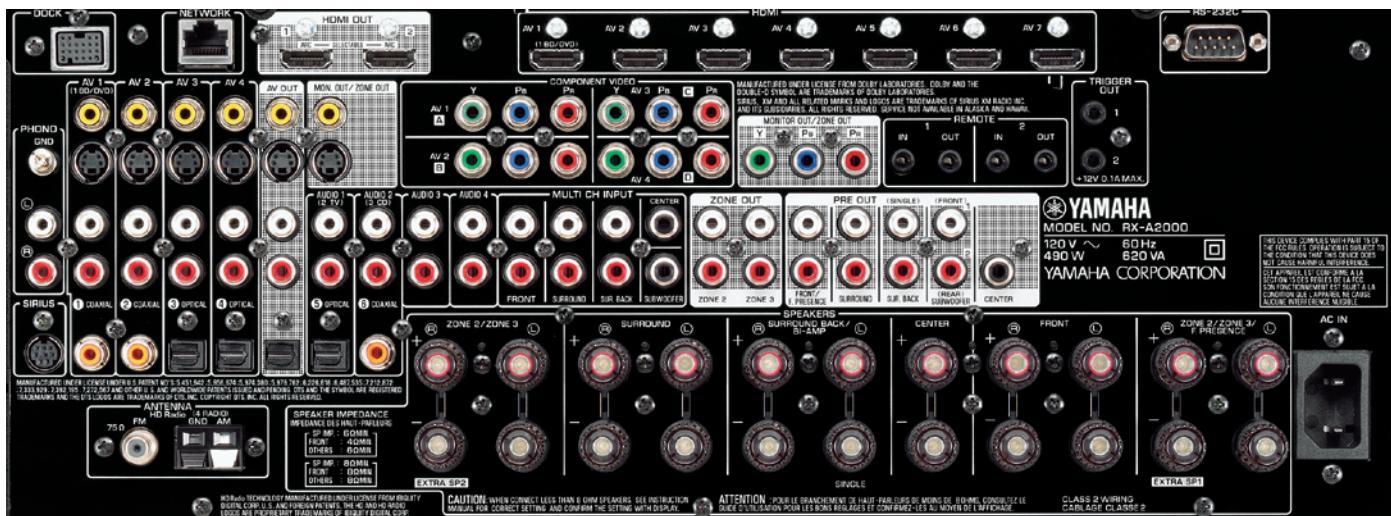
Made for
iPod iPhone



Yamaha Bluetooth® Wireless Audio Receiver

The optional YBA-10 supports A2DP audio streaming, enjoying music wirelessly from Bluetooth-enabled mobile phones, Windows PCs and Macs.

Bluetooth®



Extensive Connections

Inputs	
HDMI*1	8
USB*1	1
Network	1
SIRIUS	1
Radio Antenna (FM/AM) incl. HD Radio	1 / 1
Dock Terminal for Optional Dock Accessories	1
Optical Digital*1 (Assignable except Video AUX)	4
Coaxial Digital (Assignable)	3
Analog AV*1 / Audio (with Phono)	5 / 5
Component Video (Assignable)	4
Composite / S-Video*1 Monitor	5 / 5
Multi-Channel External Decoder	8ch

*1 Including front panel terminals.

Outputs

HDMI	2 (simultaneous)
Optical Digital	1
Analog Audio	1
Pre Out	7ch
Component Video Monitor*2 / S-Video*2	1
Composite Monitor*2 / S-Video*2	1 / 1
AV Out (Composite / S-Video)	1 / 1
Speaker (without subwoofer)*3	7ch
Extra Speaker (Front Presence / Zone 2)*3	2ch*4
Subwoofer	2 x mono

*2 Assignable to monitor out or Zone out.

*3 Banana-plug compatible speaker terminals are not available in some areas.

*4 Power amplifier assignable: Surround Back to Front Presence/Zone 2.

Others

Zone 2 Audio Out with Volume/Tone Control	1
Zone 3 Audio Out with Volume/Tone Control	1
Remote In/Out*5	2 / 2
+12V/100 mA (Total) Dual Trigger Out*6	2
RS-232C	1
Terminal for Detachable Power Cable	1

*5 SCENE-IR support

*6 Yamaha subwoofer system control support